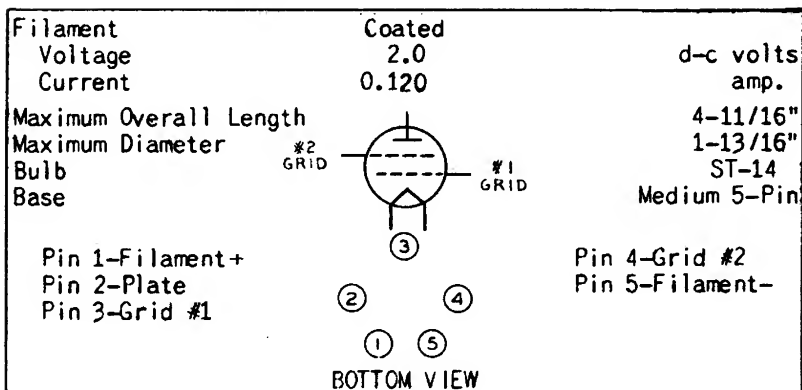




79

RCA-49 DUAL-GRID POWER AMPLIFIER



CLASS B POWER AMPLIFIER

Grids #1 & #2 connected together at socket

Plate Voltage	180 max.	volts
Peak Plate Current	50 max.	ma.
Typical Operation (2 tubes):		
Filament	2.0	2.0 volts
Plate	135	180 volts
Grid (#1 & #2 tied together)	0	0 volts
Zero-Sig. Plate Cur. (per tube)	1.3	2 ma.
Load Resistance (per tube)	2000	3000 ohms
Effective Load Resistance (plate to plate)	8000	12000 ohms
Power Output (2 tubes)	2.3	3.5 approx.watts

CLASS A AMPLIFIER

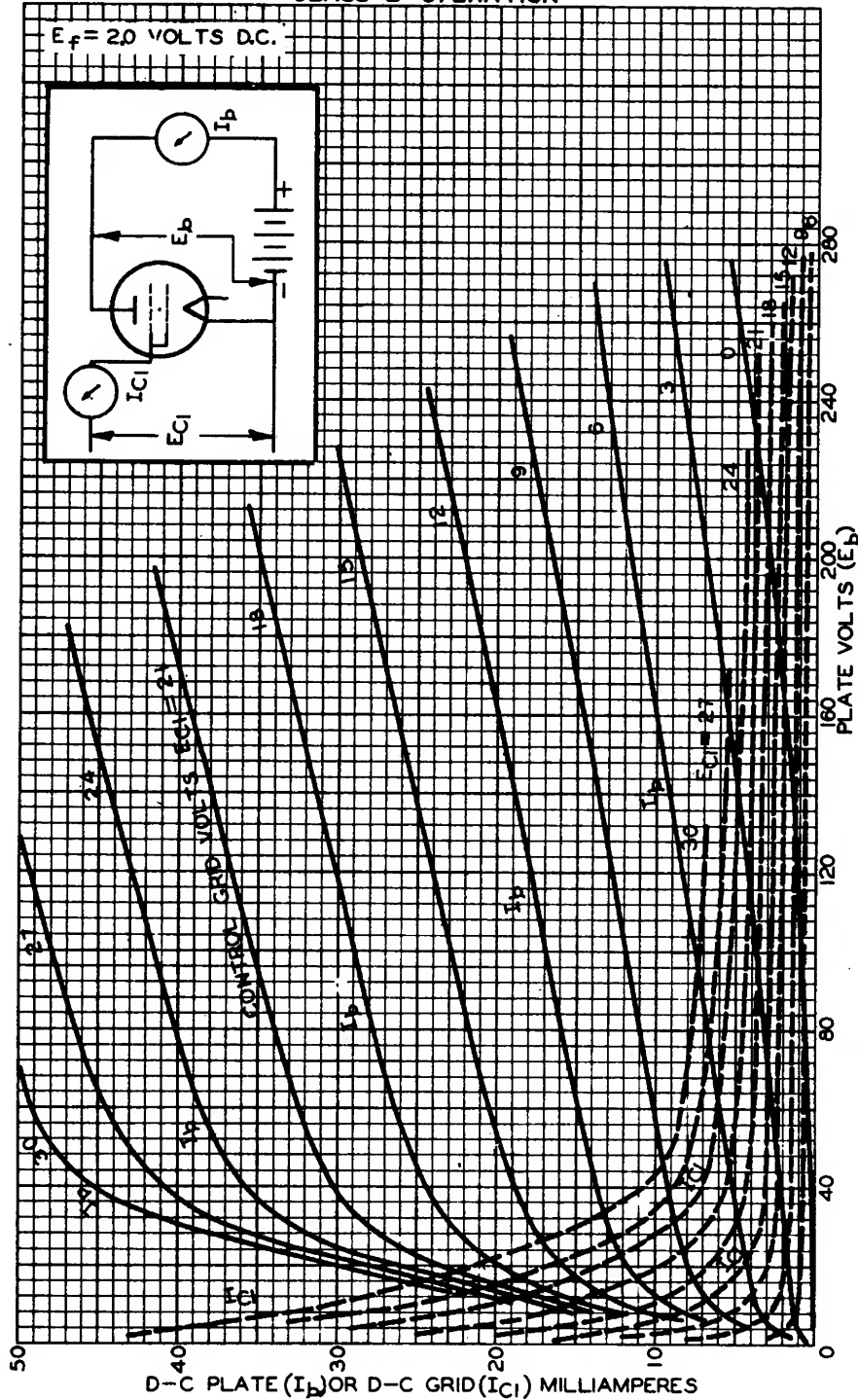
Grid #2 connected to plate at socket

Operating Conditions and Characteristics:

Filament	2.0	volts
Plate	135 max.	volts
Grid (#1 only)	-20	volts
Amp. Fact.	4.7	
Plate Res.	4175	ohms
Mut. Cond.	1125	μmhos
Plate Cur.	6.0	ma.
Load Res.	11000 *	ohms
Power Output	0.170	approx.watts

* Approximately twice this value is recommended for load of this tube when used as driver for Class B stage.

AVERAGE PLATE CHARACTERISTICS
CLASS B OPERATION



OCT. 31, 1935

RCA RADIOTRON DIVISION
 RCA MANUFACTURING COMPANY, INC.

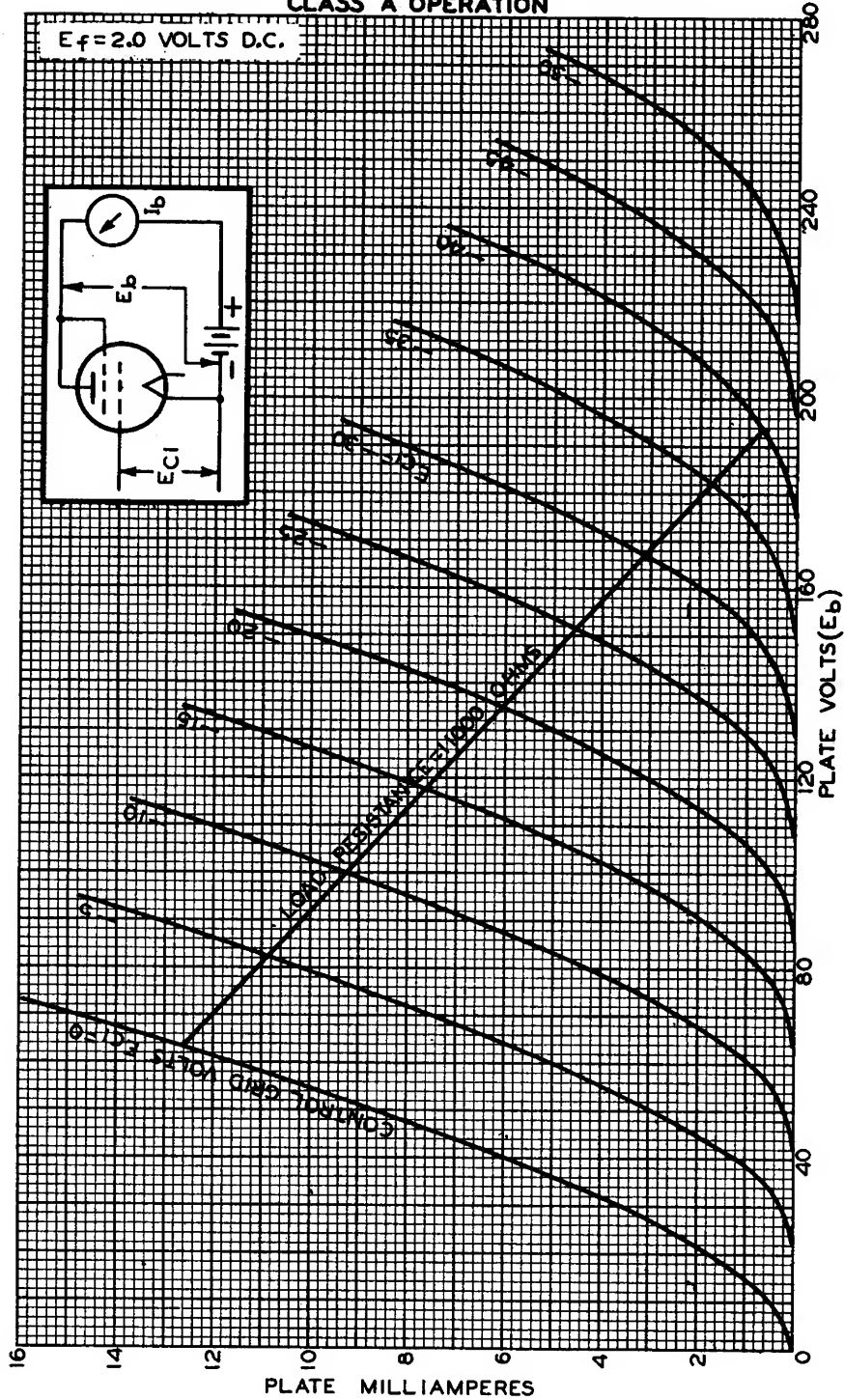
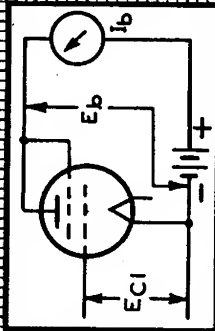
92S-5283R1



RCA-49

AVERAGE PLATE CHARACTERISTICS
CLASS A OPERATION

$E_f = 2.0$ VOLTS D.C.



OCT. 31, 1935

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92S-5282R1